CLAIMS

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1.

A device comprising:

2	a refle	ector;	
3	a first	dielectric layer disposed over the reflector; and	
ļ	a thin	film resistor formed over the first dielectric layer.	
l	2.	The device of claim 1, wherein said reflector comprises a refractory meta	al.
l	3.	The device of claim 2, wherein said refractory metal comprises tungsten	
2	(W), molybdo	enum (Mo), tantalum (Ta), Rhenium (Re), and/or Niobium (Nb).	
l	4.	The device of claim 1, wherein said reflector substantially reflects a laser	r
2	energy used t	o laser trimming said thin film resistor.	
l	5.	The device of claim 1, wherein the thickness of said first dielectric layer	is
2	at a pre-deter	mined thickness range which optimizes the laser trimming of said thin film	3
3	resistor.		
1	6.	The device of claim 1, wherein said first dielectric layer comprises silico	n
2		and/or silicon nitride (Si ₃ N ₄).	*-
	7	The device of claim 1, wherein said thin film resistor comprises chromiu	ım
1	7.	nickel chromium (NiCr), and/or tantalum nitride (TaN).	1111
2	sincon (Cisi,	, meker emominin (Nier), and or tantarum murde (1414).	
1	8.	The device of claim 1, further comprising a second dielectric layer dispo	sed
2	over the thin	film resistor.	
1	9.	The device of claim 8, wherein the thickness of said second dielectric lay	yer
2	is at a pre-de	termined thickness range which optimizes the laser trimming of said thin f	ilm
3	resistor.		
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1	10.	The device of claim 9, wherein said second dielectric layer comprises	
2	silicon dioxide (SiO ₂) and/or silicon nitride (Si ₃ N ₄).		
1	11.	The device of claim 1, further comprising a metal-insulator-metal (MIM)	
2	capacitor.		
1	12.	The device of claim 11, wherein a plate of said MIM capacitor is at a same	
2	layer as that	of said reflector.	
1	13.	The device of claim 12, wherein said plate comprises an upper plate of said	
2	MIM capacitor.		
1	14.	A method comprising:	
		ng a reflector;	
2			
3		forming a first dielectric layer over said reflector; and	
4	formi	ng a thin film resistor over said first dielectric layer.	
1	15.	The method of claim 14, wherein forming said reflector comprises:	
2	formi	ng a reflective layer;	
3	formi	ng a mask layer over said reflective layer;	
4	patterning and developing said mask layer to form a mask; and		
5	etching said reflective layer except a portion underlying said mask, wherein said		
6	portion of sai	d reflective layer comprises said reflector.	
1	16.	The method of claim 15, wherein said reflective layer comprises a	
2	refractory me		
	-		
1	17.	The method of claim 16, wherein said refractory metal comprises tungsten	

(W), molybdenum (Mo), tantalum (Ta), Rhenium (Re), and/or Niobium (Nb).

1	18.	The method of claim 14, further comprising directing a laser energy to trim	
2	said thin film	resistor, wherein said reflector substantially reflects said laser energy	
3	towards said	thin film resistor.	
1	19.	The method of claim 18, wherein the thickness of said first dielectric layer	
		termined thickness range which optimizes the laser trimming of said thin film	
2	resistor.	termined unckness range which optimizes the taser training or said training	
3	resisior.		
1	20.	The method of claim 14, wherein said first dielectric layer comprises silicon	
2	dioxide (SiO	2) and/or silicon nitride (Si ₃ N ₄).	
1	21.	The method of claim 14, wherein forming said thin film resistor comprises:	
2	form	ing a thin film resistive layer over said first dielectric layer;	
3	forming a mask layer over said thin film resistive layer;		
4	patterning and developing said mask layer to form a mask; and		
5	etchi	ng said thin film resistive layer except a portion under said mask, wherein said	
6	portion comp	prises said thin film resistor.	
1	22.	The method of claim 21, wherein said thin film resistive layer comprises	
2		licon (CrSi), nickel chromium (NiCr), and/or tantalum nitride (TaN).	
1	23.	The method of claim 14, further comprising forming a second dielectric	
2		aid thin film resistor.	
1	24.	The method of claim 23, further comprising directing a laser energy to said	
2		istor, wherein the thickness of said second dielectric layer is at a pre-	
3		range which optimizes the laser trimming of said thin film resistor.	
1	25.	The method of claim 23, wherein said second dielectric layer comprises	
2		ide (SiO ₂) and/or silicon nitride (Si ₃ N ₄).	
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1	26. The method of claim 14, further comprising forming a metal-insulator-
2	metal (MIM) capacitor.
1	27. The method of claim 26, wherein forming said MIM capacitor comprises:
2	forming a first capacitor plate;
3	forming a second capacitor plate; and
4	forming an insulating layer between said first and second capacitor plates.
1	28. The method of claim 27, wherein forming said second capacitor plate
2	comprises:
3	forming an electrically-conductive layer;
4	forming a mask layer over said electrically-conductive layer;
5	patterning and developing said mask layer to form first and second masks; and
6	etching said electrically-conductive layer except first and second portions thereof
7	which respectively underlie said first and second masks, wherein said first portion
8	comprises said second capacitor plate and said second portion comprises said reflector.

1 29. The method of claim 28, wherein said second capacitor plate comprises an upper capacitor plate of said MIM capacitor.